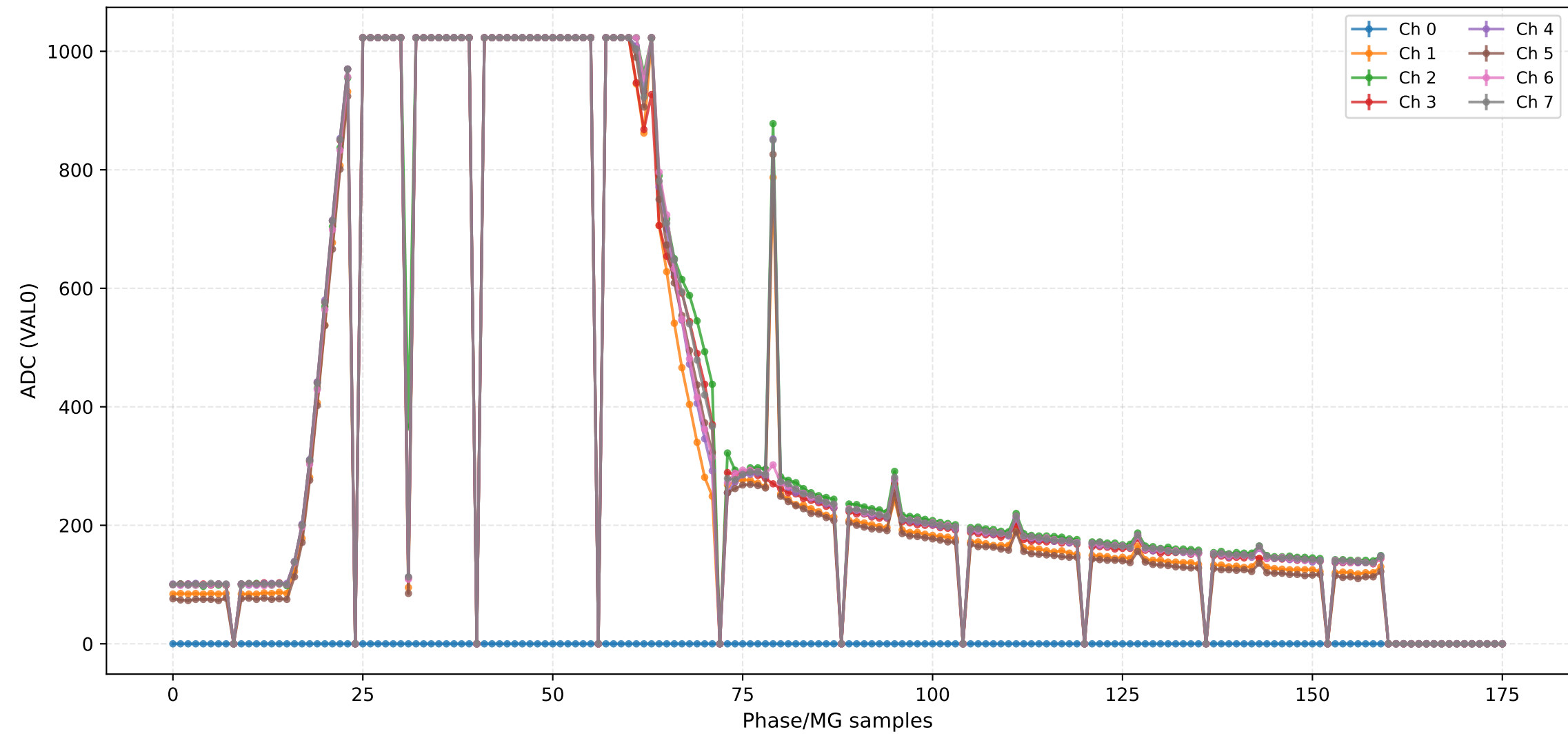


## ADC (VAL0) - Channels 0 to 7



## ADC (VAL0) - Channels 8 to 15



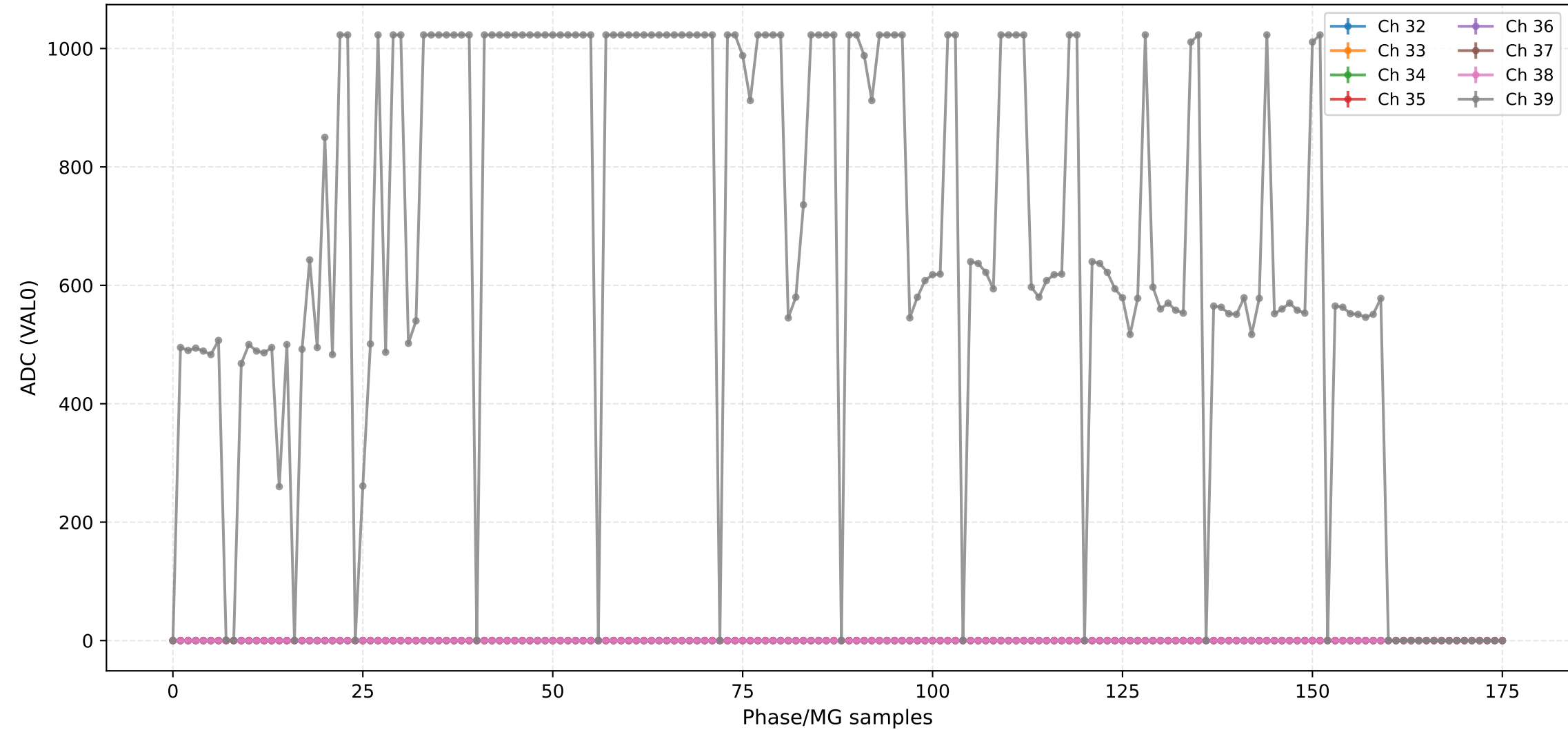
## ADC (VAL0) - Channels 16 to 23



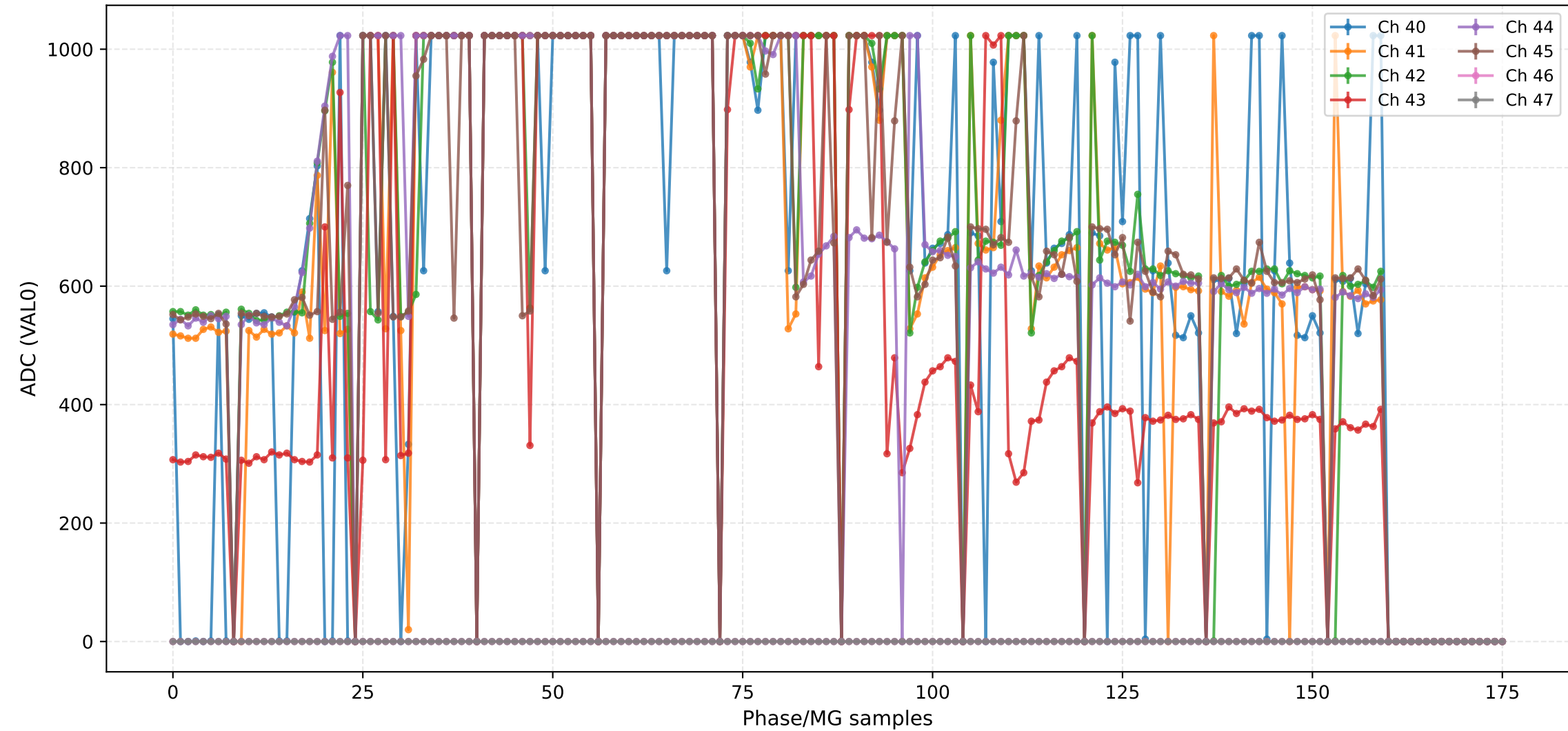
### ADC (VAL0) - Channels 24 to 31



ADC (VAL0) - Channels 32 to 39



ADC (VAL0) - Channels 40 to 47



### ADC (VAL0) - Channels 48 to 55



### ADC (VAL0) - Channels 56 to 63

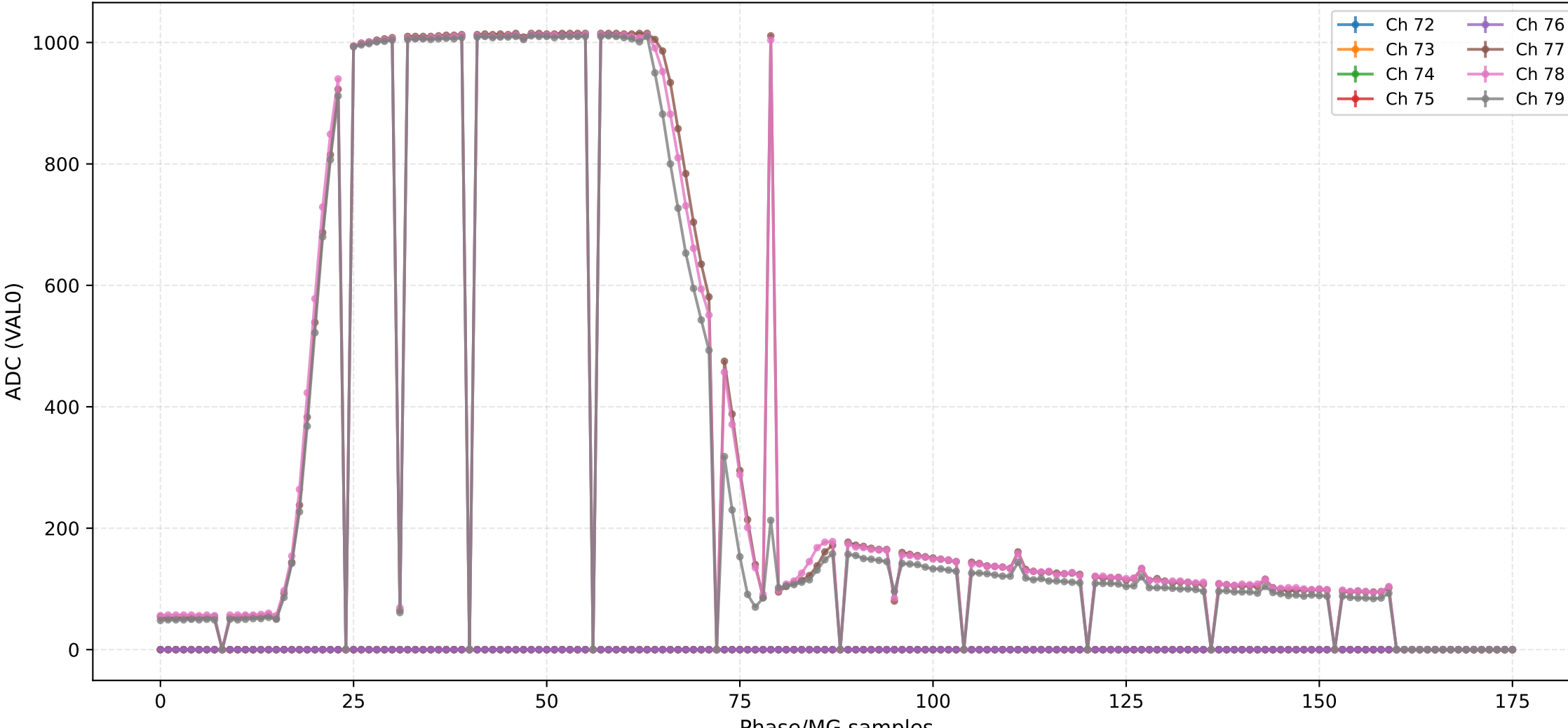




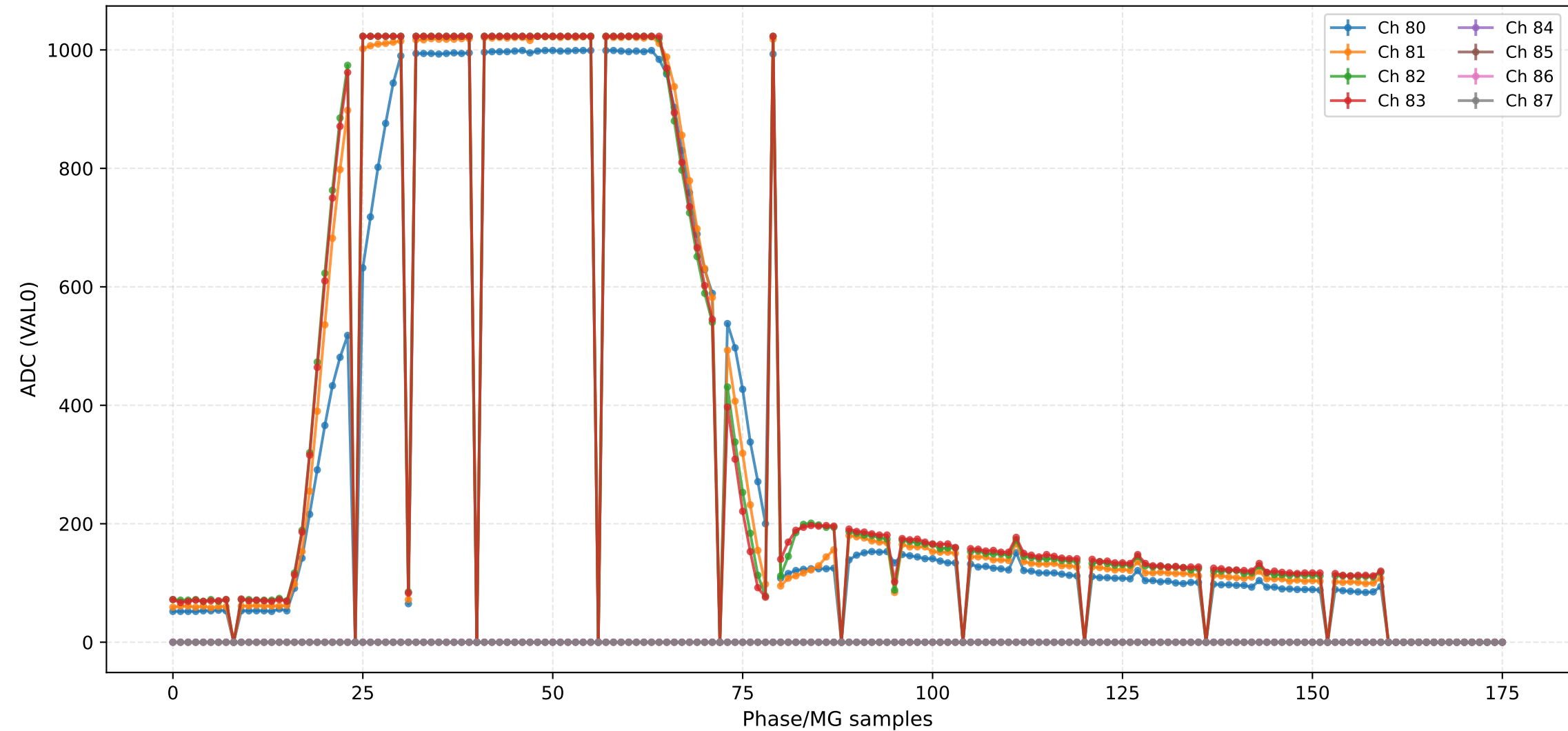
### ADC (VAL0) - Channels 64 to 71



## ADC (VAL0) - Channels 72 to 79



ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



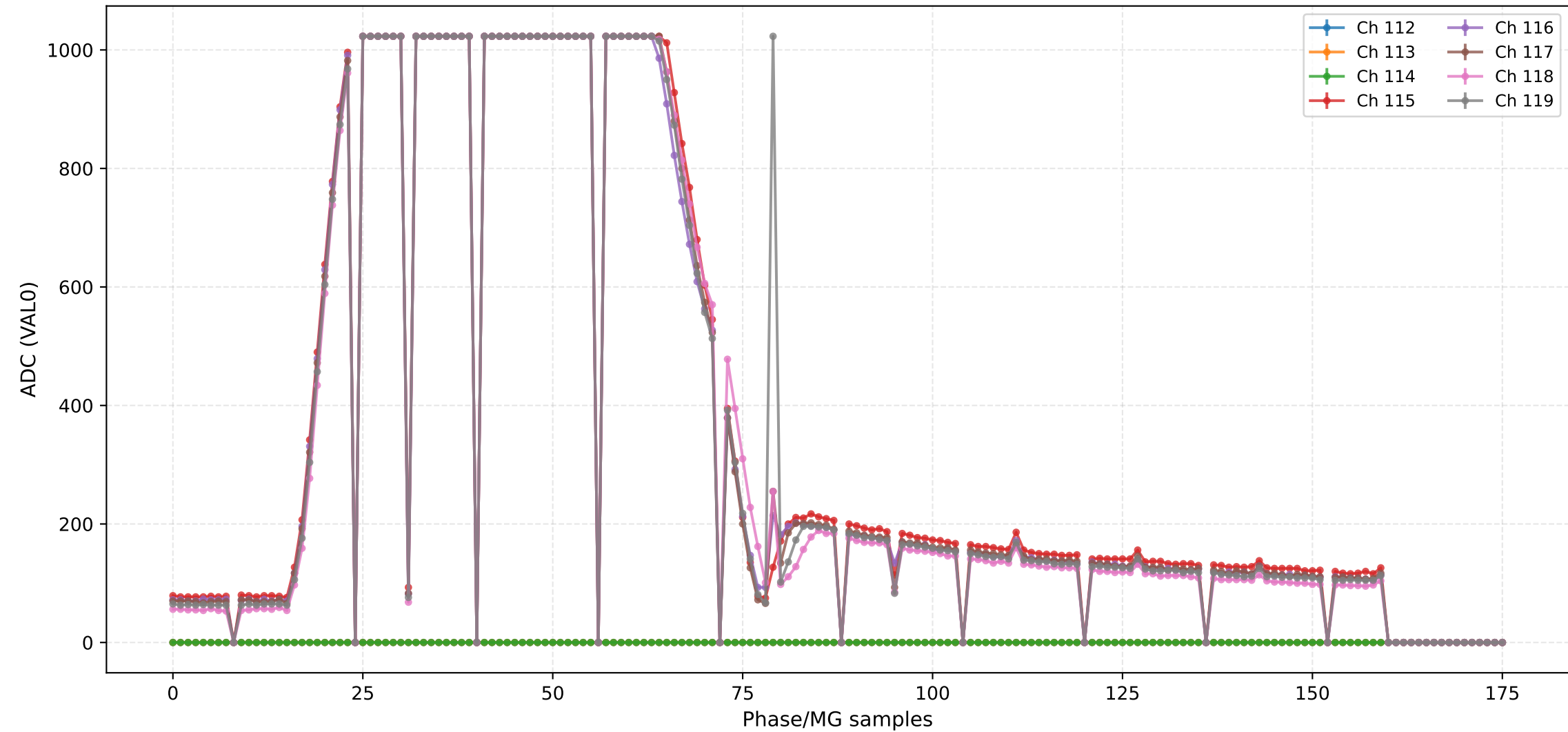
### ADC (VAL0) - Channels 96 to 103



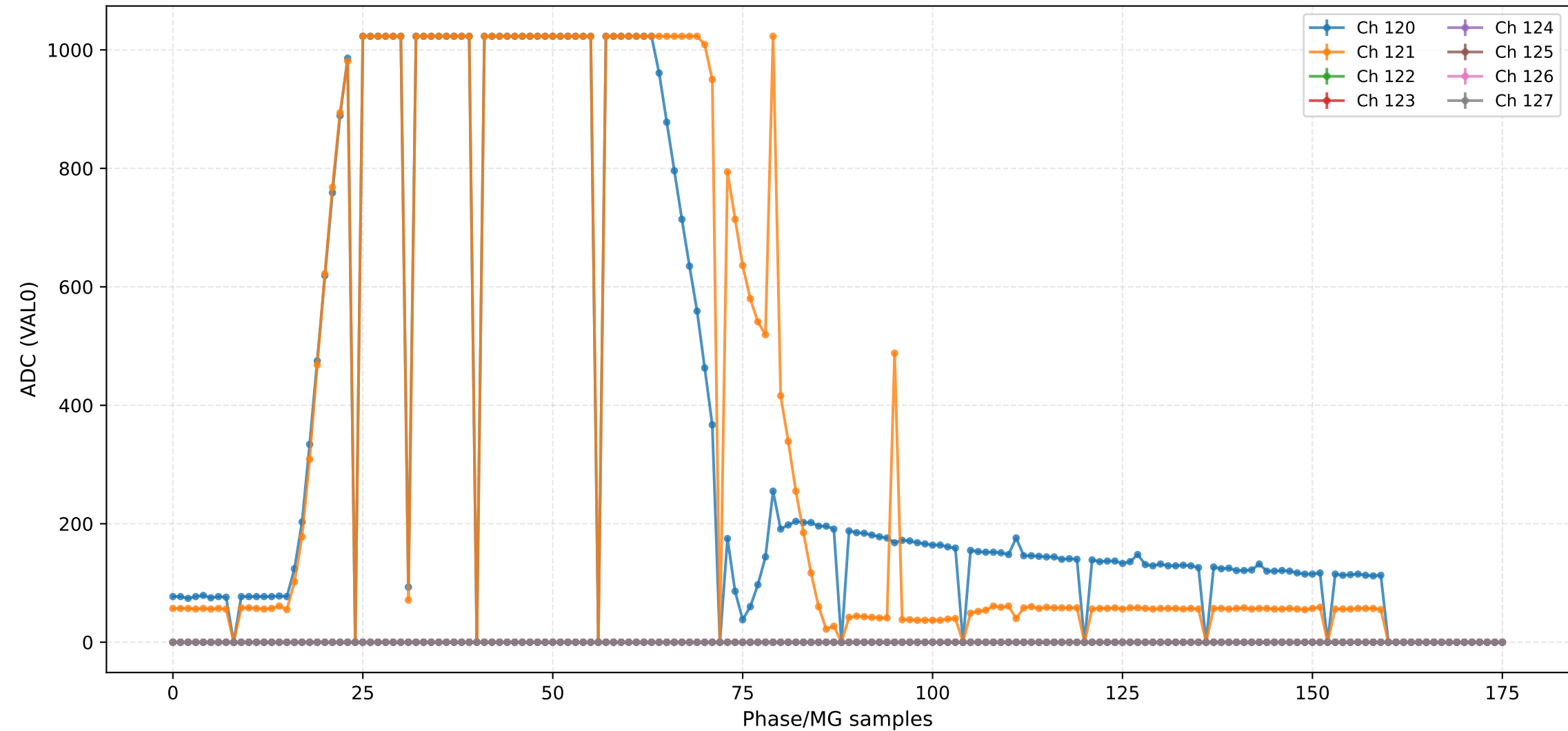
## ADC (VAL0) - Channels 104 to 111



### ADC (VAL0) - Channels 112 to 119



ADC (VAL0) - Channels 120 to 127





### ADC (VAL0) - Channels 128 to 135



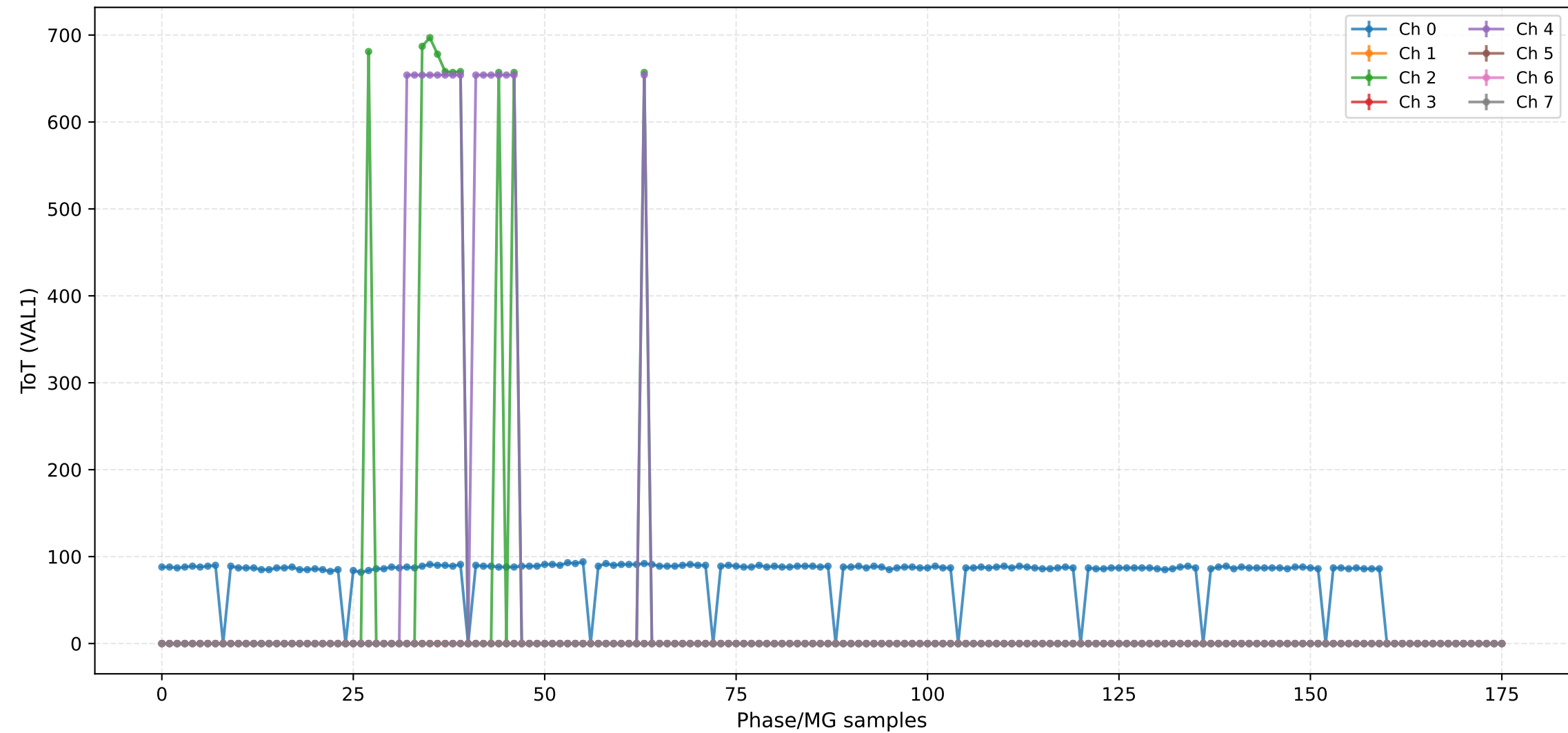
## ADC (VAL0) - Channels 136 to 143



## ADC (VAL0) - Channels 144 to 151



## ToT (VAL1) - Channels 0 to 7



## ToT (VAL1) - Channels 8 to 15



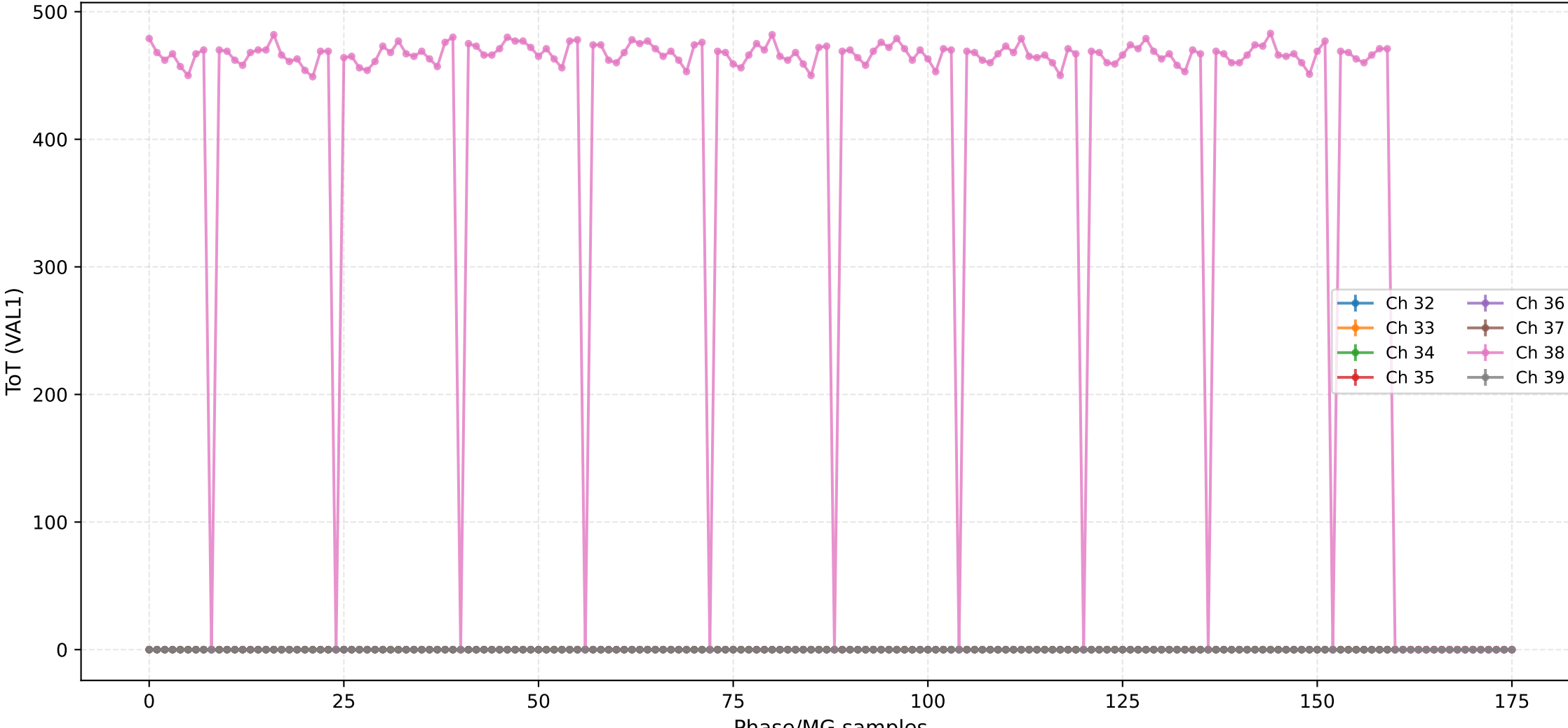
### ToT (VAL1) - Channels 16 to 23



## ToT (VAL1) - Channels 24 to 31

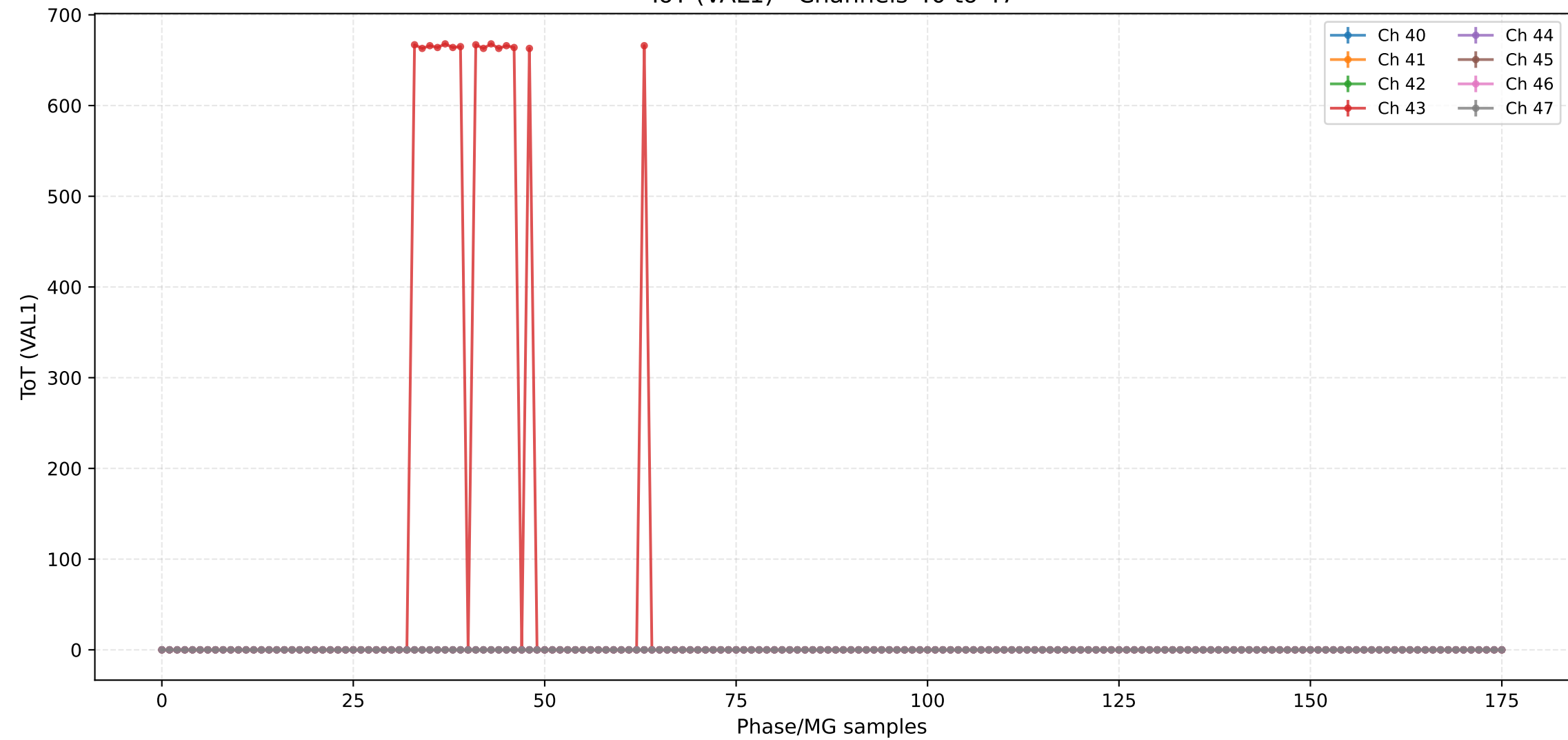


## ToT (VAL1) - Channels 32 to 39





## ToT (VAL1) - Channels 40 to 47



ToT (VAL1) - Channels 48 to 55



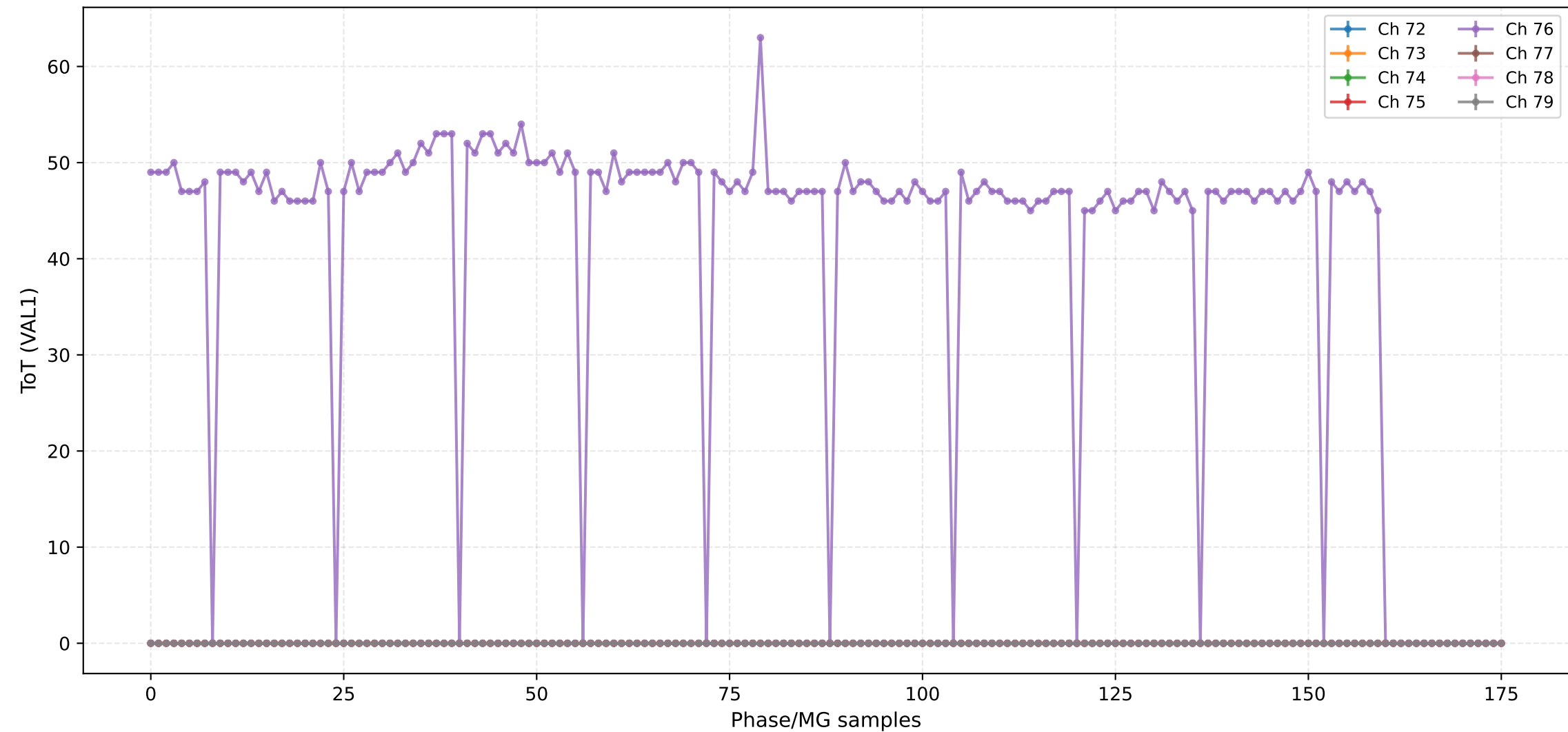
### ToT (VAL1) - Channels 56 to 63



ToT (VAL1) - Channels 64 to 71



ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



ToT (VAL1) - Channels 88 to 95



ToT (VAL1) - Channels 96 to 103

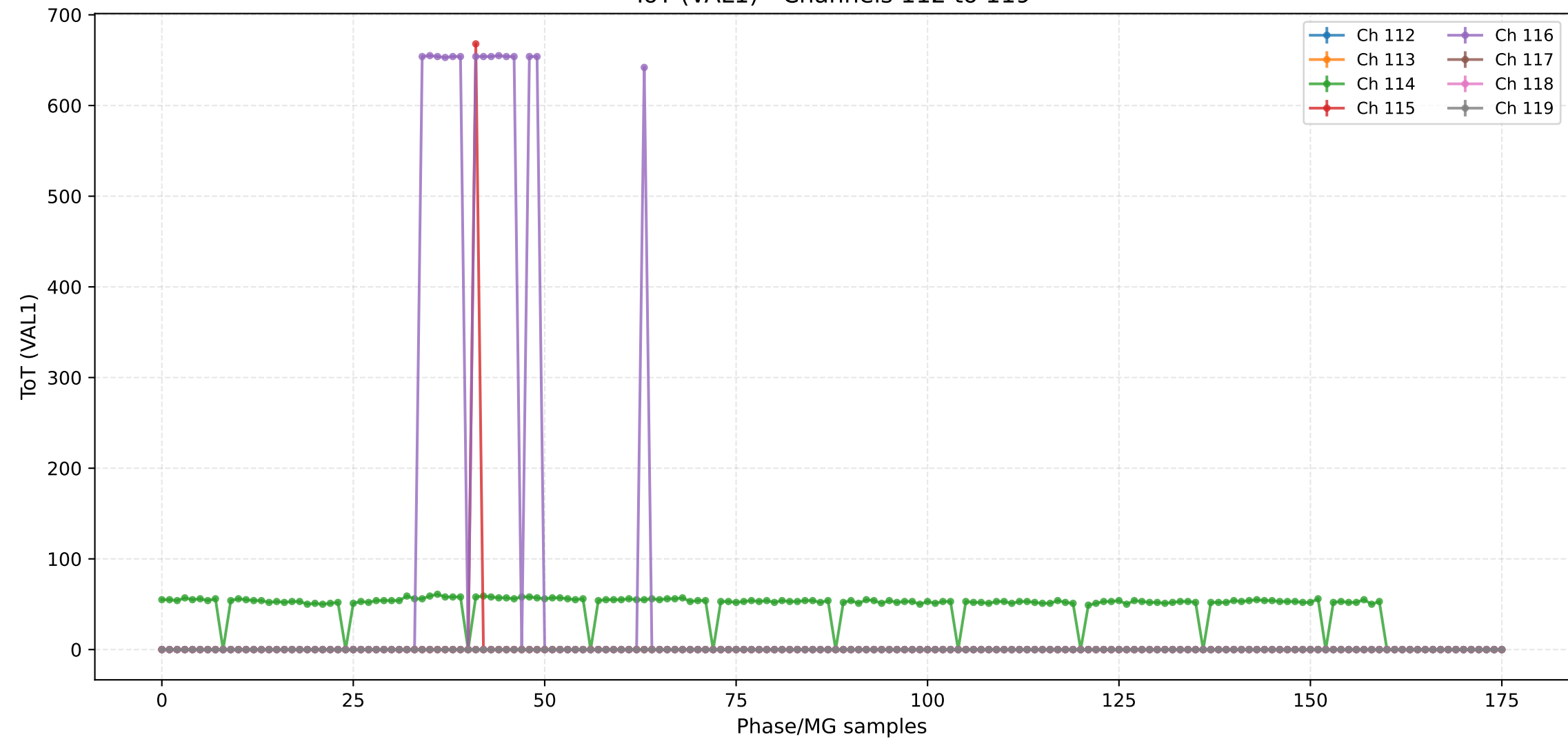




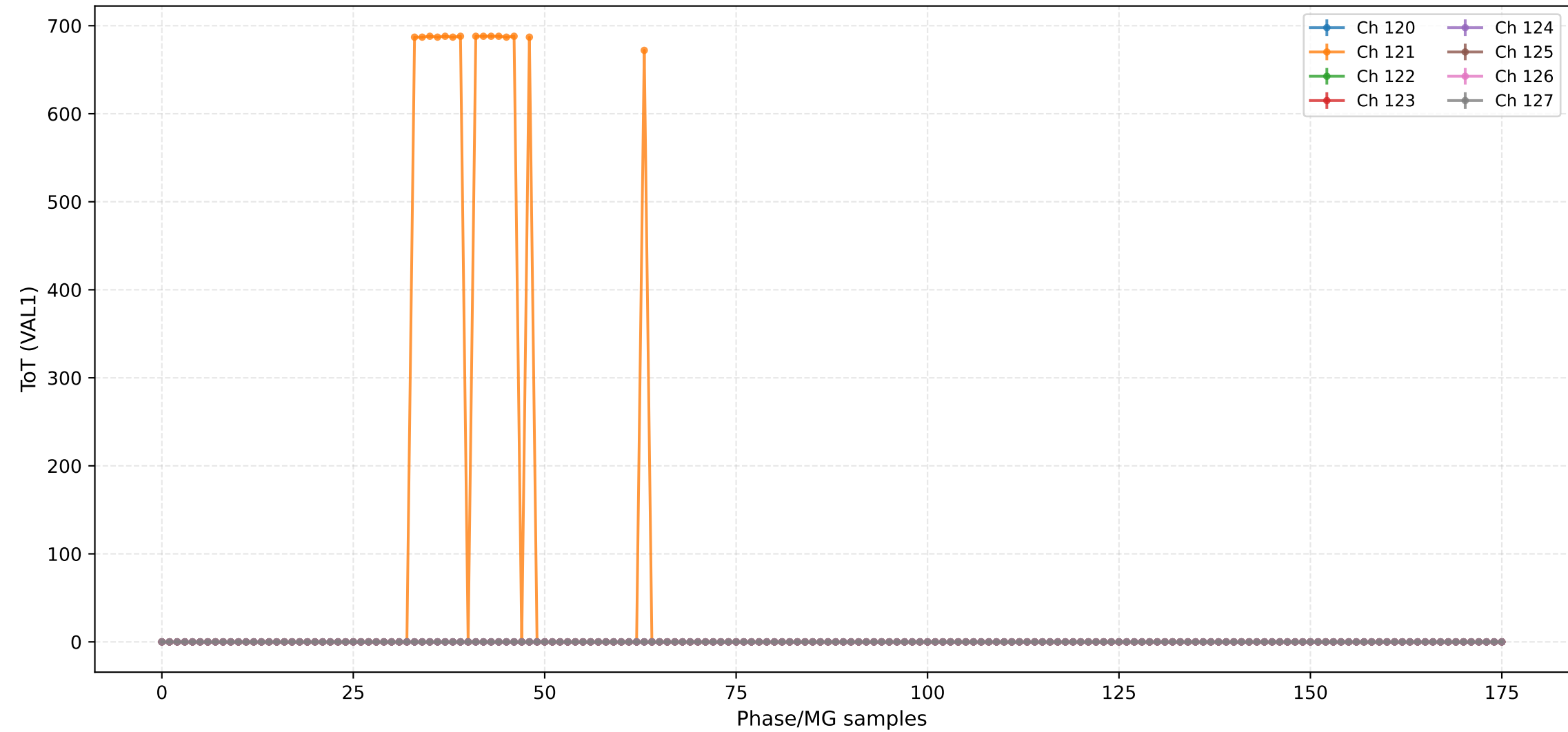
ToT (VAL1) - Channels 104 to 111



### ToT (VAL1) - Channels 112 to 119



ToT (VAL1) - Channels 120 to 127



## ToT (VAL1) - Channels 128 to 135



## ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151





## ToA (VAL2) - Channels 8 to 15





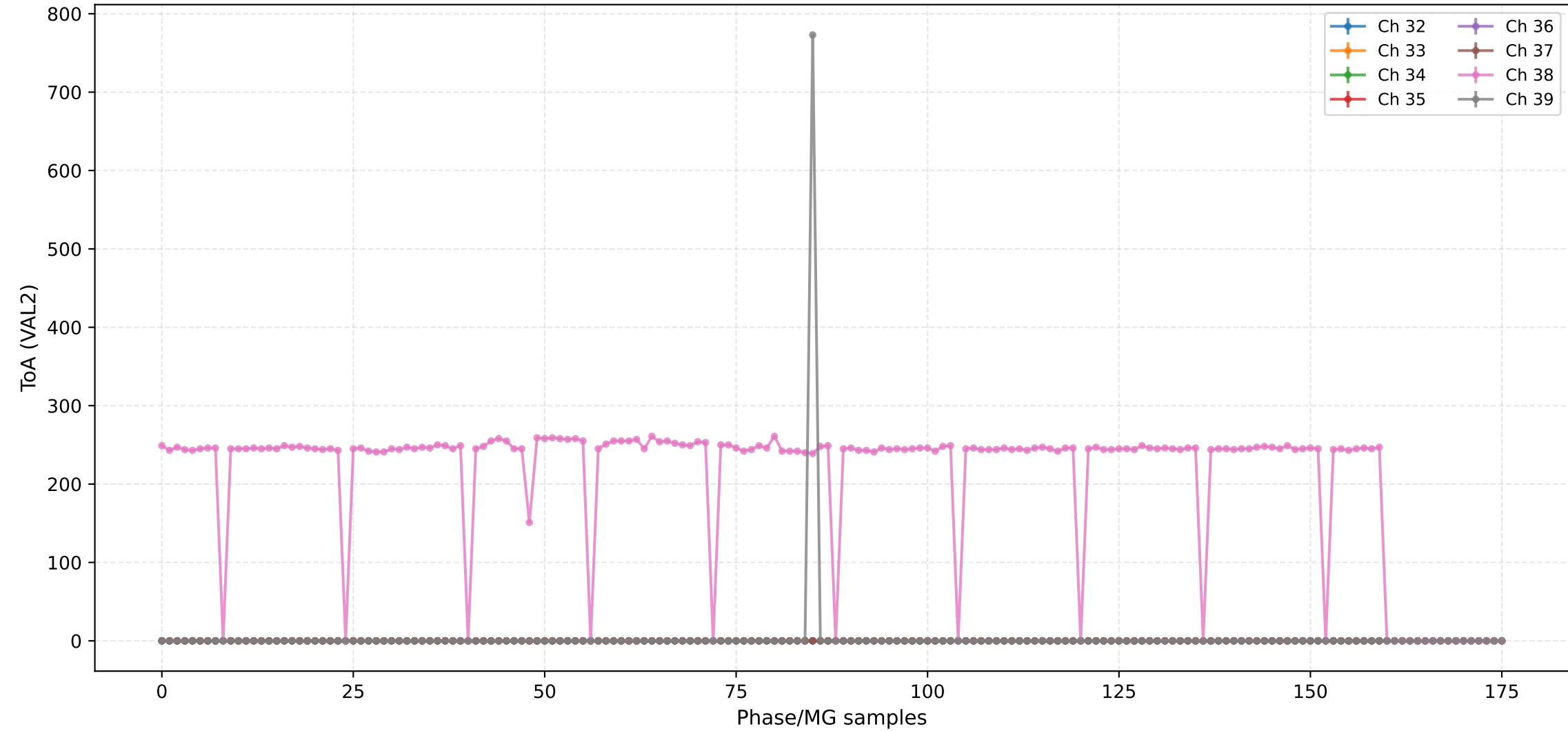
## ToA (VAL2) - Channels 16 to 23



ToA (VAL2) - Channels 24 to 31



ToA (VAL2) - Channels 32 to 39





ToA (VAL2) - Channels 48 to 55



ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71



### ToA (VAL2) - Channels 72 to 79





## ToA (VAL2) - Channels 80 to 87



## ToA (VAL2) - Channels 88 to 95



ToA (VAL2) - Channels 96 to 103

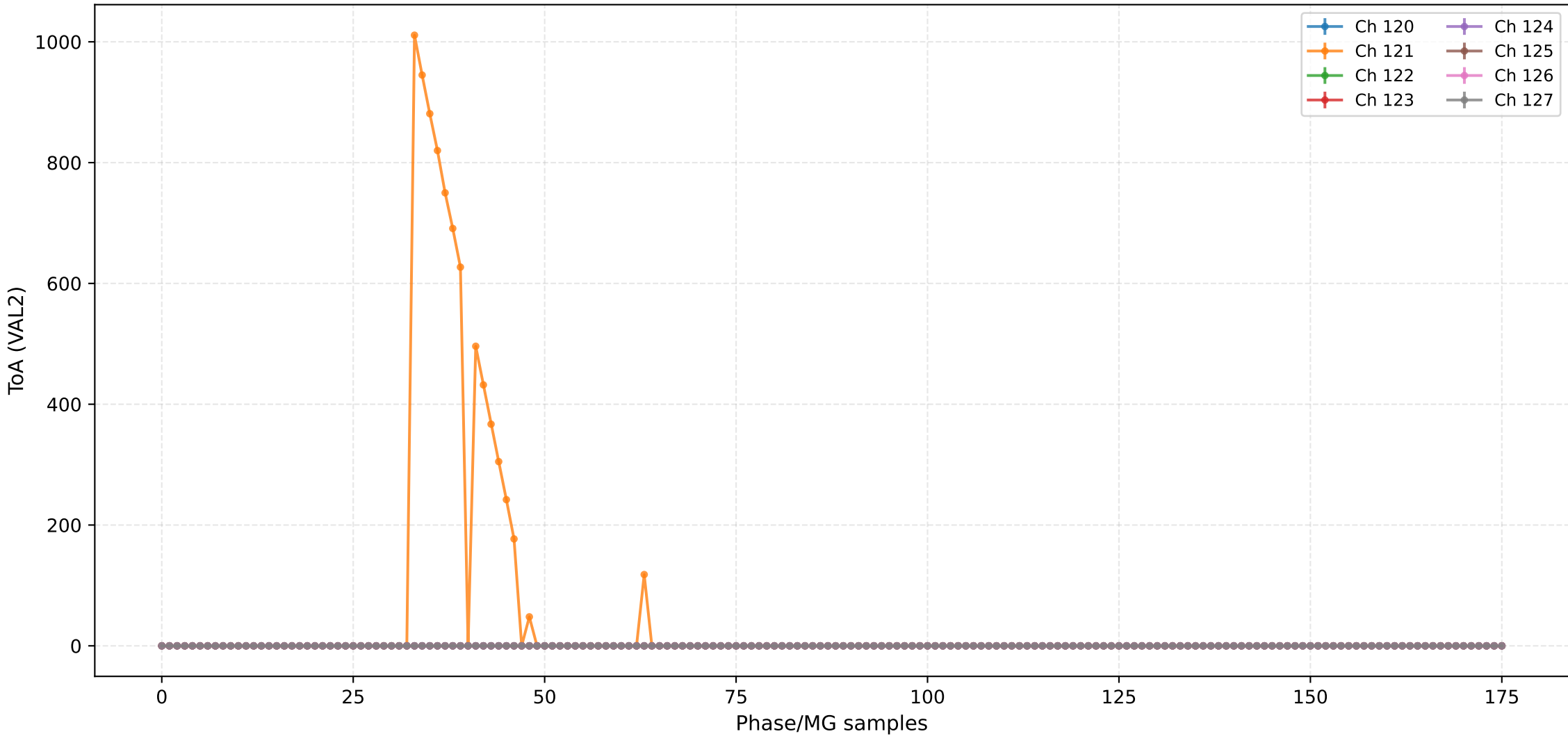


ToA (VAL2) - Channels 104 to 111





## ToA (VAL2) - Channels 120 to 127



## ToA (VAL2) - Channels 128 to 135



The graph displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for five different channels (Ch 136 to Ch 139). The x-axis represents time in units of  $10^{-12}$  s, ranging from 0 to 150. The y-axis represents the expectation value, ranging from -0.5 to 0.5. All five channels show a constant value of approximately 0.05 throughout the entire time range.

| Channel            | Color  | Symbol | Expectation Value (approx.) |
|--------------------|--------|--------|-----------------------------|
| Ch 136             | Blue   | Star   | 0.05                        |
| Ch 137             | Orange | Star   | 0.05                        |
| Ch 138             | Green  | Star   | 0.05                        |
| Ch 139             | Red    | Star   | 0.05                        |
| Ch 139 (unlabeled) | Grey   | Star   | 0.05                        |





ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-12 19:30:22

### Configuration:

- Total ASICs: 2
- Injection DAC: 1800
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 16
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac1800\_mg10\_pack2\_chn16\_val0.csv
- 205\_Injection\_asic2\_injdac1800\_mg10\_pack2\_chn16\_val1.csv
- 205\_Injection\_asic2\_injdac1800\_mg10\_pack2\_chn16\_val2.csv